

ABSTRACT

INS B₁ > A carbonaceous complex structure in which a fullerene thin film is used as a part of the constituent material to improve adhesion between neighboring layers to enable a solar cell or a sensor to be produced to high strength, and a method for manufacturing the carbonaceous complex structure, are disclosed. The carbonaceous complex structure includes a substrate 1 of quartz or glass, on which are layered a carbonaceous thin film 2 and a fullerene thin film 3. Thermal decomposition of an organic compound is used for forming the carbonaceous thin film 2, whilst a method for vapor-depositing or polymerizing fullerene is used for forming the fullerene thin film 3.